

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A device for outputting video signal by converting image data expanded in frame memory into video signals and outputting the video signals to a display section, said device comprising:

a control unit which recognizes types of preset output video signals and types of image data expanded in a frame memory and decides whether or not magnification alteration should be performed in accordance with types of the output video signals and types of the image data; and

a magnification alteration unit which alters a magnification of the image data upon receiving an instruction from the control unit to perform magnification alteration when converting the image data into the video signals in such a manner that a number of pixels in said frame memory and a number of pixels of a display area of said display section are equal; and

a control unit which provides control so as to decide whether or not magnification alteration processing is to be performed on the image data by said magnification alteration unit.

Claims 2-3 (Canceled).

Claim 4 (Currently Amended): The device according to claim 1, wherein, when said display section displays image data by performing magnification alteration processing of 5/6 in the vertical direction on video signals in PAL mode in which processing data of a vertical line at a predetermined position is deleted, said magnification alteration unit performs the 6/5 magnification alteration processing in the vertical direction by adding data to the same

position as the deleted vertical line, wherein said magnification alteration unit is set to 6/5, in expectation of a horizontal line to be deleted at said display section, by adding the data to the horizontal line to be deleted.

Claim 5 (Currently Amended): The device according to claim 1, wherein, when contents of the image data comprise a natural image, said control unit performs control in such a manner that magnification alteration processing is performed on the image data, and when contents of the image data comprise a graphic image, said control unit performs control in such a manner that magnification processing is not performed on the image data, wherein said control unit further performs control in accordance with the types of the image data.

Claim 6 (Original): The device according to claim 1, wherein, when said display section displays a graphic image superposed on top of a natural image, said control unit performs control in such a manner that magnification alteration processing is performed on the image data of the natural image, and also performs control in such a manner that magnification alteration processing is not performed on the image data of the graphic image.

Claim 7 (Original): The device according to claim 1, wherein, when the number of pixels of the image data expanded in said frame memory is equal to the number of pixels of the display area of said display section, said control unit performs control in such a manner that the magnification alteration processing is not performed on the image data.

Claim 8 (Currently Amended): The device according to claim 7, further comprising a storage unit which in advance stores image data whose number of pixels is the same as the

number of pixels of the display area of said display section, and expanding the stored image data in said frame memory.

Claim 9 (Original): The device according to claim 7, further comprising an input unit which inputs image data in such a manner that the number of pixels of the image data is equal to the number of pixels of the display area of said display section, and expanding the input image data in said frame memory.

Claim 10 (Original): The device according to claim 1, further comprising a choosing unit which chooses whether or not to execute the magnification alteration processing by the magnification alteration processing means, and when said choosing unit chooses not to execute the magnification alteration processing, said control unit performs control in such a manner that the 9/8 magnification processing in the horizontal direction and the 6/5 magnification processing in the vertical direction are not performed when the image data is being converted into PAL mode video signals.

Claim 11 (Withdrawn): A device for outputting video signal by converting image data expanded in frame memory into video signals and outputting the video signals to a display section, said device comprising:

a selection unit which selects which of a first line or a second line of said frame memory the image data should be output from when the image data is being converted into the video signals;

an output unit which sequentially outputs the image data from the first line or second line of said frame memory in accordance with a result of the selection by said selection unit; and

a control unit which provides control in such a manner that data of two consecutive lines output from said output unit is overwritten in time shifts and displayed on said display section.

Claim 12 (Withdrawn): The device according to claim 11, wherein, when the number of lines of image data expanded in said frame memory is an odd number, said output unit adds the data of the first line or the last line of the image data to either the topmost end of the image data or the bottommost end of the image data and then outputs the image data.

Claim 13 (Withdrawn): The device according to claim 11, wherein, when the number of lines of image data expanded in said frame memory is an odd number, said output unit deletes the data of the first line or the last line of the image data and then outputs the image data.

Claim 14 (Currently Amended): A method of outputting video signal by converting image data expanded in frame memory into video signals and outputting the video signals to a display section, the method comprising the steps of:

controlling a decision as to whether or not magnification alteration should be performed in accordance with types of the output video signals and types of the image data after recognizing types of preset output video signals and types of image data expanded in a frame memory; and

altering a magnification of the image data when converting the image data into the video signals in such a manner that a number of pixels in said frame memory and a number of pixels of a display area of said display section are equal; and

~~controlling a decision as to whether or not magnification alteration processing is to be performed on the image data in the magnification alteration step.~~

Claims 15-16 (Canceled).

Claim 17 (Currently Amended): The method according to claim 14, wherein, when said display section displays image data by performing 5/6 magnification alteration processing in the vertical direction on video signals in PAL mode in which processing data of a vertical line at a predetermined position is deleted, the 6/5 magnification alteration processing in the vertical direction is performed in the magnification alteration step by data being added to the same position as the deleted vertical line, and a magnification alteration unit is set to 6/5, in expectation of a horizontal line to be deleted at said display section, by adding the data to the horizontal line to be deleted.

Claim 18 (Currently Amended): The method according to claim 14, wherein, when contents of the image data comprise a natural image, control is performed in the control step in such a manner that magnification alteration processing is performed on the image data, and when contents of the image data comprise a graphic image, control is performed in the control step in such a manner that magnification processing is not performed on the image data, wherein said control is performed in accordance with the types of the image data.

Claim 19 (Original): The method according to claim 14, wherein, when said display section displays a graphic image superposed on top of a natural image, control is performed in the control step in such a manner that magnification alteration processing is performed on

the image data of the natural image, and control is also performed in such a manner that magnification alteration processing is not performed on the image data of the graphic image.

Claim 20 (Original): The method according to claim 14, wherein, when the number of pixels of the image data expanded in said frame memory is equal to the number of pixels of the display area of said display section, control is performed in the control step in such a manner that the magnification alteration processing is not performed on the image data.

Claim 21 (Currently Amended): The method according to claim 20, further comprising the step of storing in advance image data whose pixel number is the same as the number of pixels of the display area of said display section, and expanding the stored image data in said frame memory.

Claim 22 (Original): The method according to claim 20, further comprising the step of inputting image data in such a manner that the number of pixels of the image data is equal to the number of pixels of the display area of said display section, and expanding the input image data in said frame memory.

Claim 23 (Original): The method according to claim 14, further comprising the step of choosing whether or not to execute the magnification alteration processing in the magnification alteration processing step, and when the choice of not executing the magnification alteration processing is made in the choosing step, control is performed in the control step in such a manner that the 9/8 magnification processing in the horizontal direction and the 6/5 magnification processing in the vertical direction are not performed when the image data is being converted into PAL mode video signals.

Claim 24 (Withdrawn): A method of outputting video signal by converting image data expanded in frame memory into video signals and outputting the video signals to a display section, the method comprising the steps of:

selecting which of a first line or a second line of said frame memory the image data should be output from when the image data is being converted into the video signals; and

sequentially outputting the image data from the first line or second line of said frame memory in accordance with a result of the selection in the selection step.

Claim 25 (Withdrawn): The method according to claim 24, wherein, when the number of lines of image data expanded in said frame memory is an odd number, data of the first line or the last line of the image data is added in the output step to either the topmost end of the image data or the bottommost end of the image data and then the image data is output.

Claim 26 (Withdrawn): The method according to claim 24, wherein, when the number of lines of image data expanded in said frame memory is an odd number, the data of the first line or the last line of the image data is deleted in the output step and then the image data is output.

Claim 27 (Currently Amended): A computer readable medium for storing instructions, which when executed on a computer, causes the computer to perform a method of outputting video signal by converting image data expanded in frame memory into video signals and outputting the video signals to a display section, the method comprising the steps of:

controlling a decision as to whether or not magnification alteration should be performed in accordance with types of the output video signals and types of the image data after recognizing types of preset output video signals and types of image data expanded in a frame memory; and

altering a magnification of the image data when converting the image data into the video signals in such a manner that a number of pixels in said frame memory and a number of pixels of a display area of said display section are equal; and

~~controlling a decision as to whether or not magnification alteration processing is to be performed on the image data in the magnification alteration step.~~

Claim 28 (Withdrawn): A computer readable medium for storing instructions, which when executed on a computer, causes the computer to perform a method of outputting video signal by converting image data expanded in frame memory into video signals and outputting the video signals to a display section, the method comprising the steps of:

selecting which of a first line or a second line of said frame memory the image data should be output from when the image data is being converted into the video signals; and

sequentially outputting the image data from the first line or second line of said frame memory in accordance with a result of the selection in the selection step.